**FIG_1**

LOGICAL COUPLING GROUP
TABLE

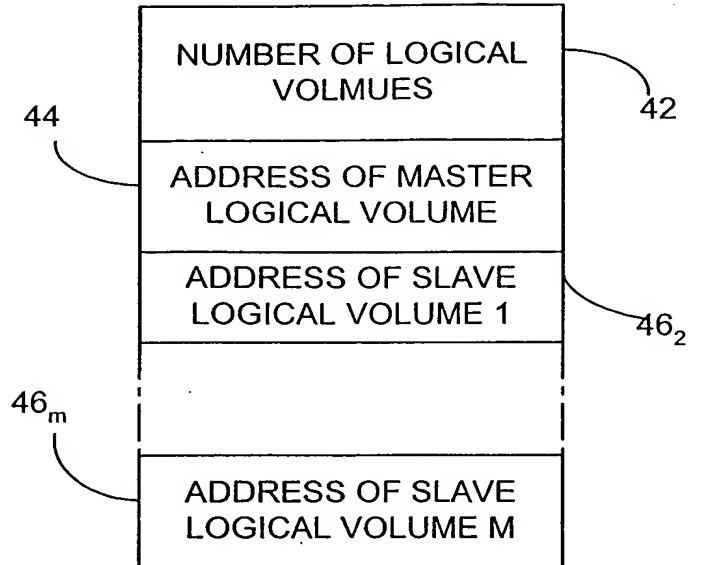


Diagram of the Logical Coupling Group Table (40). The table is a vertical stack of five rows. The first row is labeled 42 and contains 'NUMBER OF LOGICAL VOLMUES'. The second row is labeled 44 and contains 'ADDRESS OF MASTER LOGICAL VOLUME'. The third row is labeled 46₂ and contains 'ADDRESS OF SLAVE LOGICAL VOLUME 1'. The fourth row is labeled 46_m and contains 'ADDRESS OF SLAVE LOGICAL VOLUME M'. The fifth row is empty. A curved arrow points from the label 40 to the top of the table.

NUMBER OF LOGICAL VOLMUES
ADDRESS OF MASTER LOGICAL VOLUME
ADDRESS OF SLAVE LOGICAL VOLUME 1
ADDRESS OF SLAVE LOGICAL VOLUME M

Fig_2

LOGICAL VOLUME
TABLE

Fig_2

LOGICAL VOLUME
TABLE

The diagram illustrates the structure of a Logical Volume Table. It is a vertical stack of six rows. The first row is labeled 52 and contains 'MAPPING TYPE'. The second row is labeled 54 and contains 'TOTAL CAPACITY'. The third row is labeled 56 and contains 'NUMBER OF PHYSICAL DISK UNITS'. The fourth row is labeled 64 and contains three columns: 'ADDRESS OF PHYSICAL DISK UNIT', 'START BLOCK ID', and 'END BLOCK ID'. The fifth row is labeled 66 and contains three columns: 'ADDRESS OF PHYSICAL DISK UNIT', 'START BLOCK ID', and 'END BLOCK ID'. The sixth row is labeled 68 and contains three columns: 'ADDRESS OF PHYSICAL DISK UNIT', 'START BLOCK ID', and 'END BLOCK ID'. A bracket labeled 60 groups the last three rows. A curved arrow points from the label 50 to the top of the table.

MAPPING TYPE		
TOTAL CAPACITY		
NUMBER OF PHYSICAL DISK UNITS		
ADDRESS OF PHYSICAL DISK UNIT	START BLOCK ID	END BLOCK ID
ADDRESS OF PHYSICAL DISK UNIT	START BLOCK ID	END BLOCK ID
ADDRESS OF PHYSICAL DISK UNIT	START BLOCK ID	END BLOCK ID

Fig_3

PHYSICAL DISK
TABLE

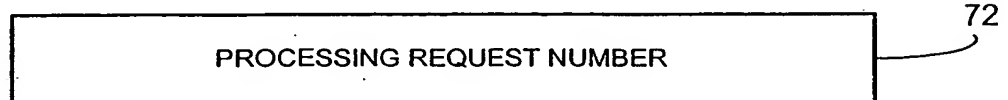
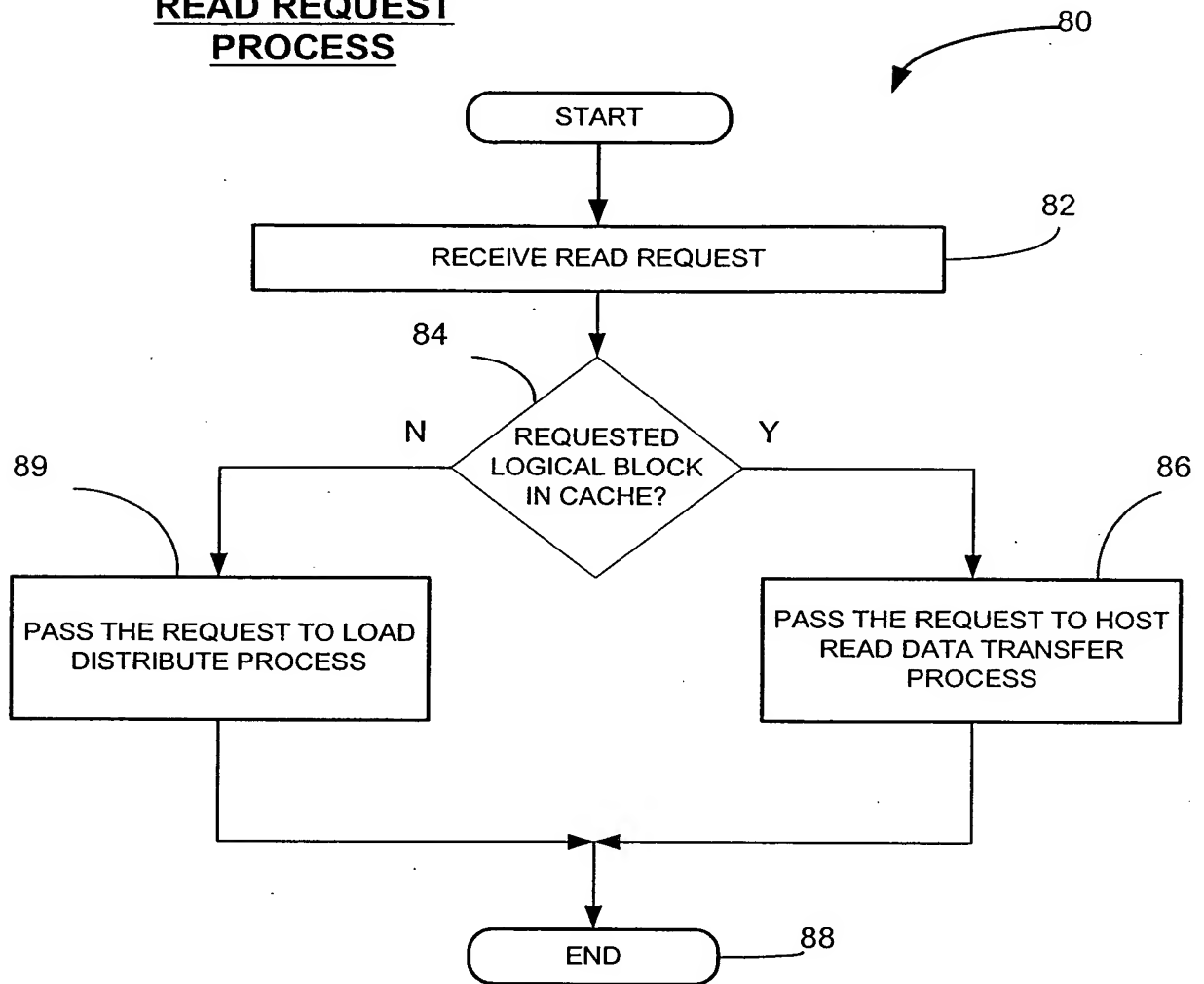


Diagram of the Physical Disk Table (70). The table is a single row labeled 72 and contains 'PROCESSING REQUEST NUMBER'. A curved arrow points from the label 70 to the top of the table.

PROCESSING REQUEST NUMBER

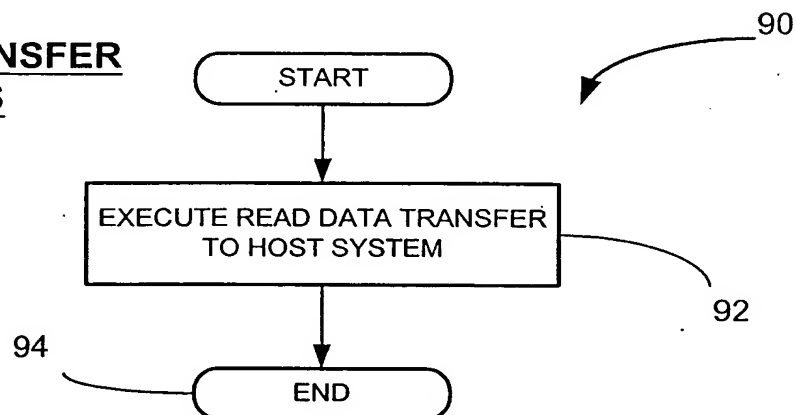
Fig_4

READ REQUEST PROCESS

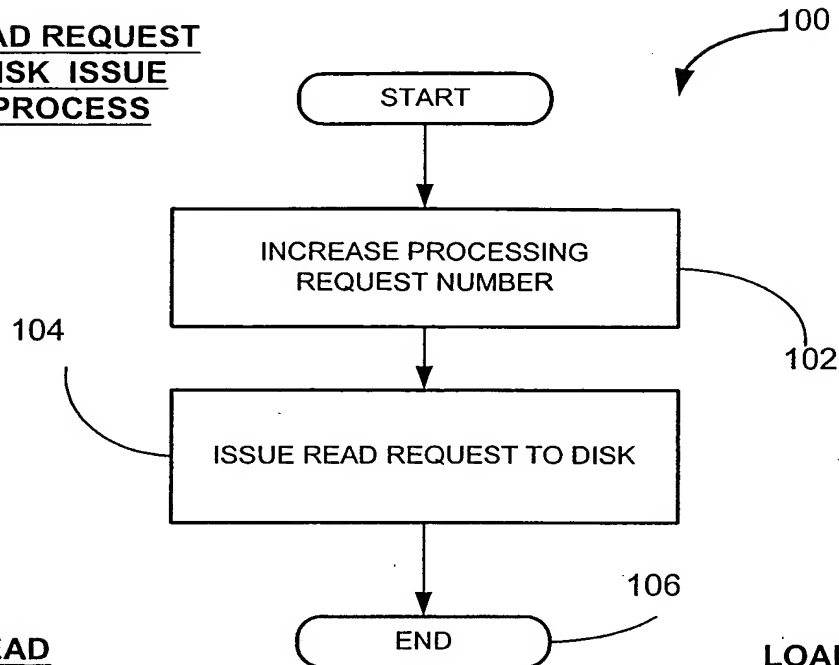


Fig_5

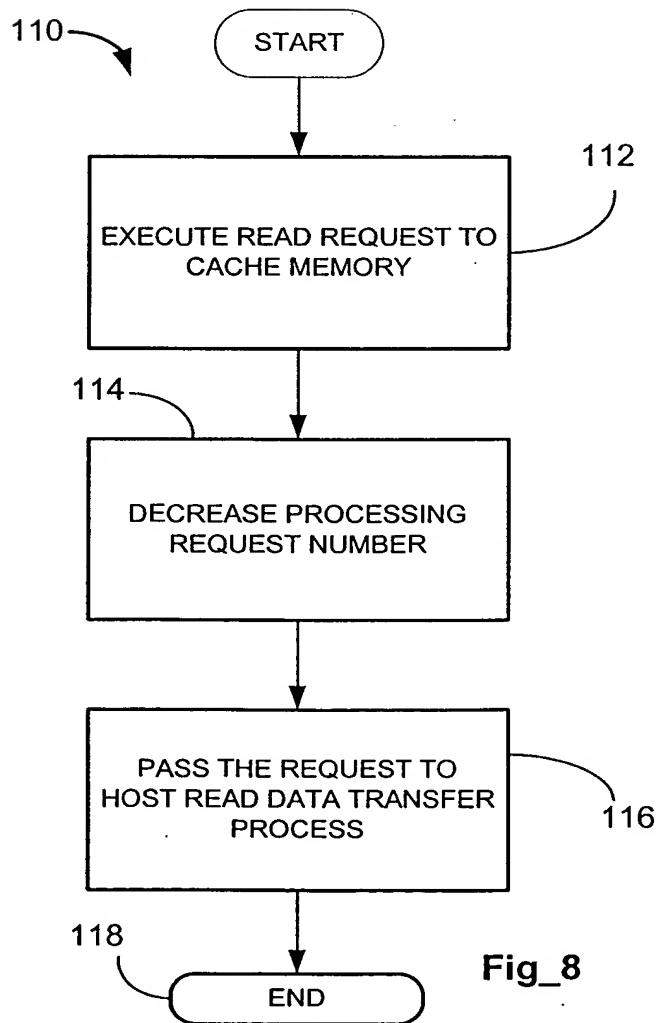
HOST READ TRANSFER PROCESS



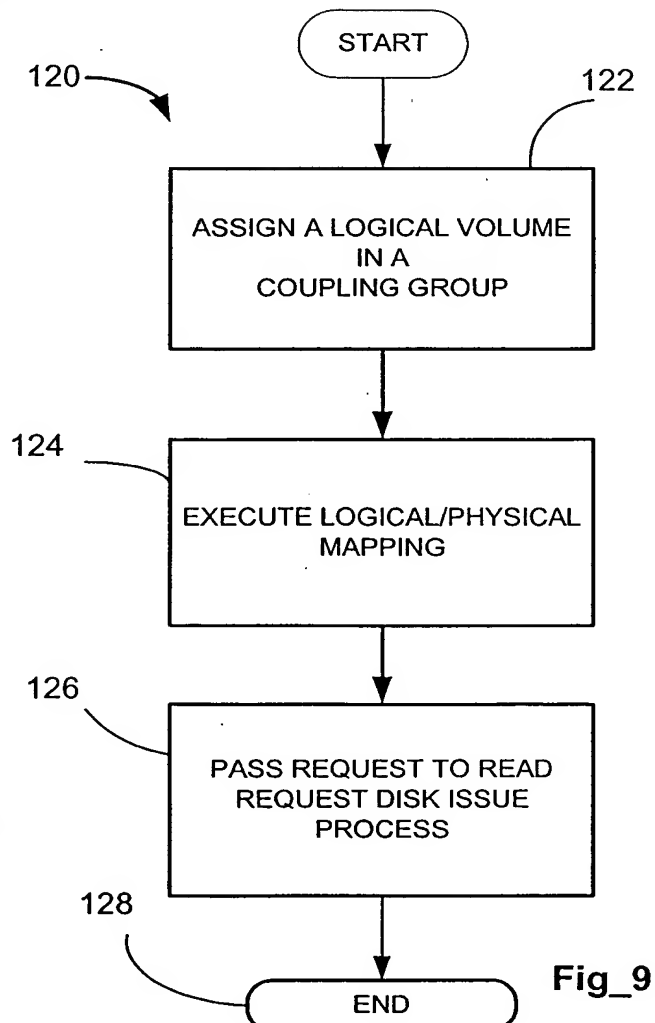
Fig_6

READ REQUEST
DISK ISSUE
PROCESS

Fig_7

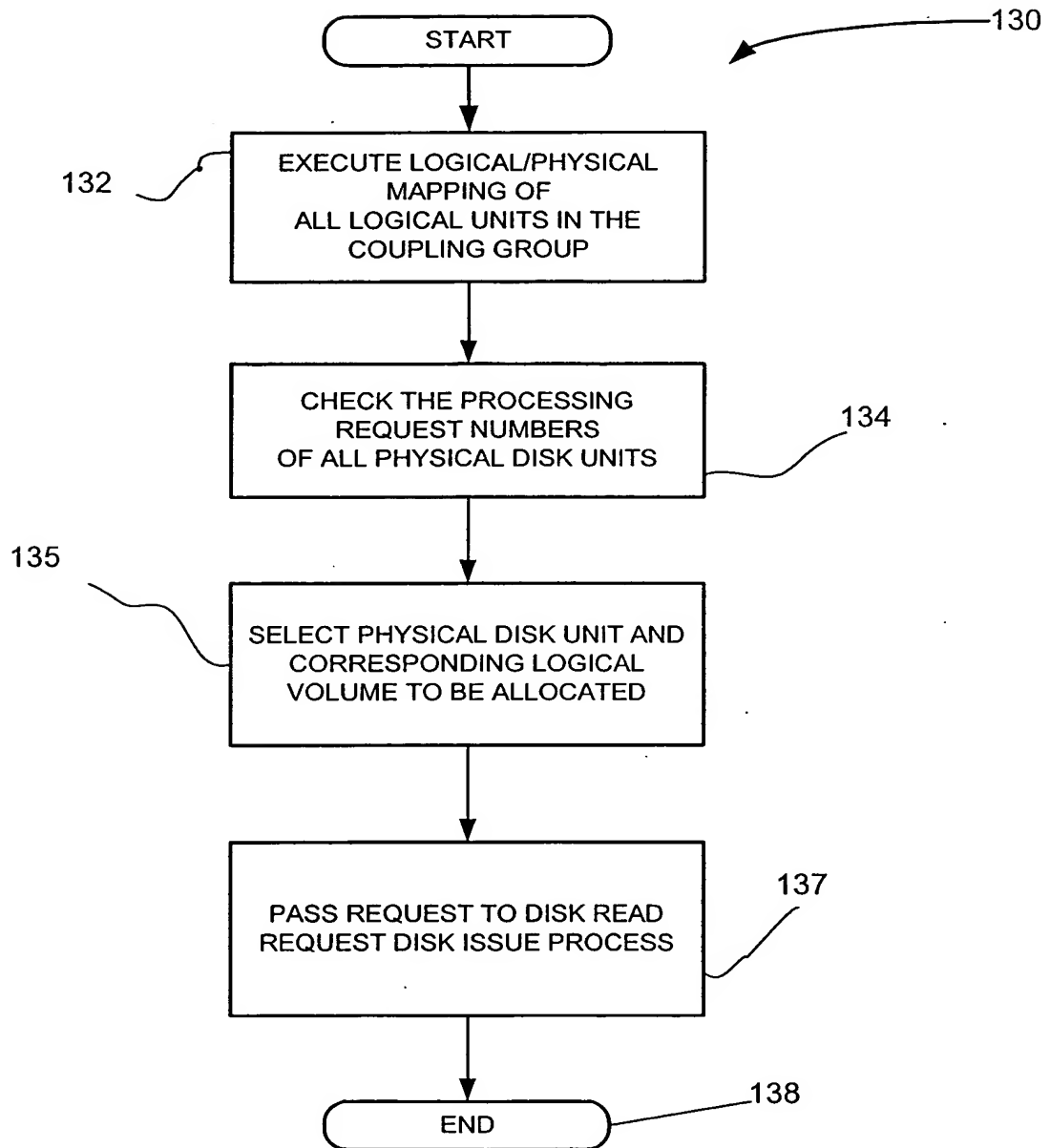
DISK READ
TRANSFER
PROCESS

Fig_8

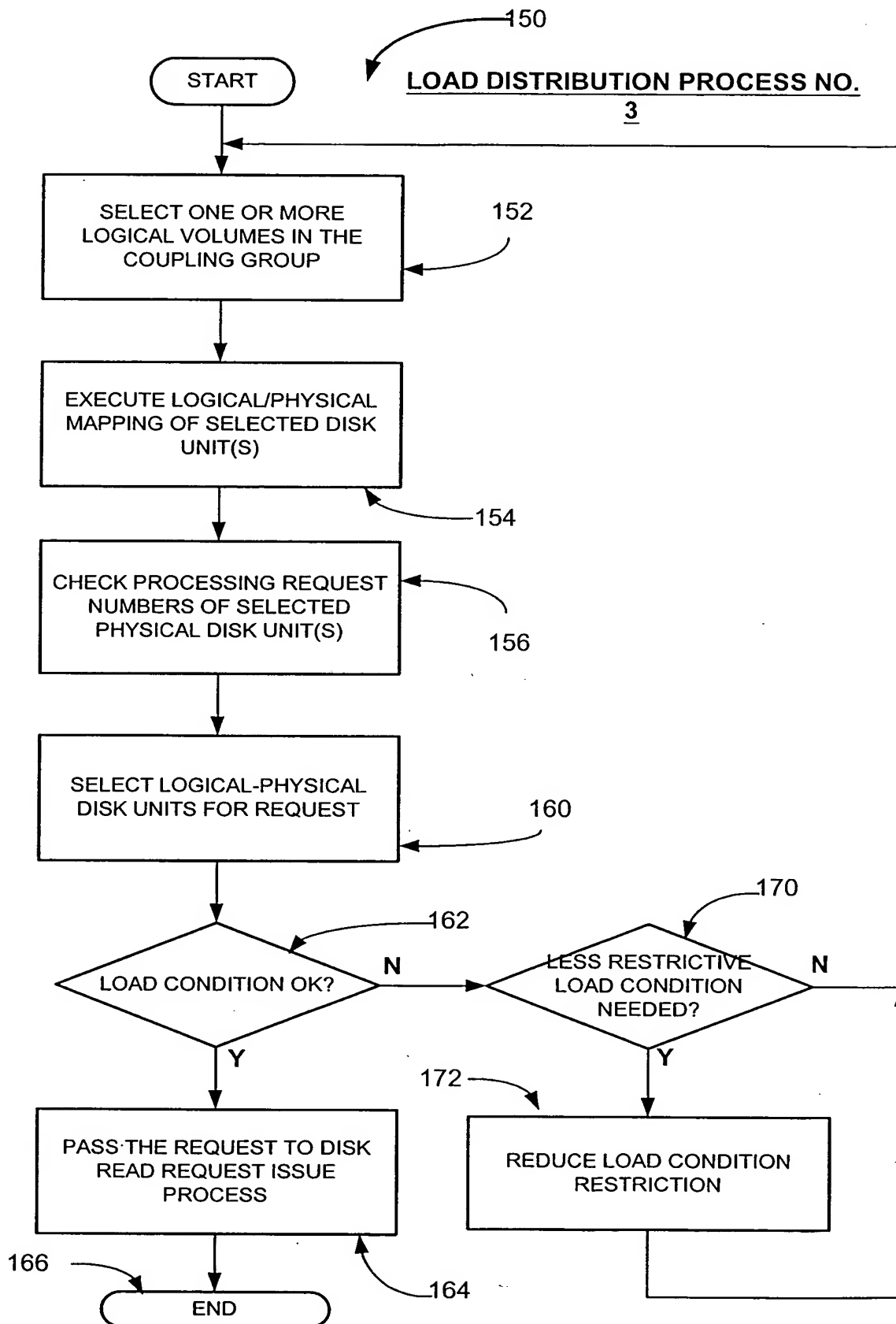
LOAD
DISTRIBUTION
PROCESS NO. 1

Fig_9

**LOAD DISTRIBUTION
PROCESS NO. 2**



Fig_10

**Fig_11**